GCA Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	GCA, Monoclonal Antibody
Full Product Name	GCA (Grancalcin, GCL) (MaxLight 650)
Product Gene Name	anti-GCA antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2F5
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human GCA.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo the original vial prior to removing the cap.
Molecular Weight	24,010 Da
Immunogen	Full-length recombinant corresponding to aa1-218 from GCA (AAH05214) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAYPGYGGGFGNFSIQVPGMQMGQPVPETGPAILLDGYSGPAYSDTYSSAGDSVYTYFSAVAGQDGEVDAEELQRCLTQSGINGTYSPFSLETCRIMIA
Conjugate	MaxLight650
Product Categories/Family for anti-GCA antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-GCA antibody	FLISA, Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-GCA antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-GCA antibody	MBS6222323 is an antibody targeting GCA. Also known as GCA (Grancalcin, GCL) (MaxLight 650). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-GCA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GCA. It may not necessarily be applicable to this product.

NCBI GI #	13528827
NCBI GeneID	25801
NCBI Accession #	BC005214
NCBI Related Accession #	AAH05214
UniProt Secondary Accession #	Q53TB5; Q59EP3; B2R5X3
UniProt Related Accession #	P28676
NCBI Official Full Name	Homo sapiens grancalcin, EF-hand calcium binding protein, mRNA
NCBI Official Synonym Full Names	grancalcin
NCBI Official Symbol	GCA
NCBI Official Synonym Symbols	GCL
Protein Family	Grancalcin
NCBI Protein Information	grancalcin
NCBI Summary for GCA	This gene encodes a calcium-binding protein that is abundant in neutrophils and macrophages. In the absence of divalent cation, this protein localizes to the cytosolic fraction; with magnesium alone, it partitions with the granule fraction; and in the presence of magnesium and calcium, it associates with both the granule and membrane fractions. Alternative splicing and use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Aug 2016]
Research Articles on GCA	**1.** Results indicate that heterodimerization of GCA and TLR9 is important for TLR9-mediated downstream signaling and might serve to fine tune processes against viral infection.
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